

Impact Water Quality Monitoring for Dredging Activities at ESC CMP Vd

Sampling Date	Tide	Station	Time	Depth	Depth (m)	Current Direction	Current Velocity (m/s)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	pH	SS (mg/L)
2016/10/31	MF	DS	06:03	M	12.4	76.1	0.09	27.38	27.23	89.8	6.1	8.64	7.66	0.00
2016/10/31	MF	DS	06:04	M	12.3	201.2	0.34	27.39	27.29	89.43	6.08	9.75	7.77	0.00
2016/10/31	MF	US	06:09	M	14.1	346.6	0.5	27.34	27.53	90.39	6.14	14.69	7.8	0.00
2016/10/31	MF	US	06:10	M	14	221.5	0.15	27.36	27.51	90.06	6.11	13.95	7.8	0.00
2016/10/31	MF	US2	06:18	B	8	287.1	0.86	27.25	27.66	92.83	6.31	14.35	7.83	26.10
2016/10/31	MF	US2	06:18	M	4.8	50.2	0.01	27.26	27.58	92.28	6.27	9.1	7.83	13.20
2016/10/31	MF	US1	06:25	B	7.8	278.5	0.79	27.28	27.31	91.22	6.21	20.93	7.8	23.80
2016/10/31	MF	US1	06:26	M	4.8	239.5	1.46	27.27	27.19	90.53	6.17	5.95	7.8	12.10
2016/10/31	MF	US1	06:27	T	1.2	279.3	0.8	27.26	27.17	90.15	6.14	5.91	7.79	11.70
2016/10/31	MF	US1	06:28	B	8.2	347.1	0.75	27.28	27.31	90.7	6.17	10.11	7.8	23.30
2016/10/31	MF	US1	06:28	M	5.2	268.1	0.34	27.27	27.26	90.55	6.16	7.65	7.79	12.30
2016/10/31	MF	US1	06:29	T	1	255.9	0.51	27.25	27.18	90.42	6.16	6.12	7.79	11.50
2016/10/31	MF	DS1	06:34	B	8.1	253.9	0.21	27.33	27.6	91.21	6.19	14.85	7.8	59.90
2016/10/31	MF	DS1	06:35	M	5	355.9	0.43	27.36	27.42	90.25	6.13	9.37	7.81	9.30
2016/10/31	MF	DS1	06:35	T	1.3	283.5	0.18	27.32	27.11	89.82	6.12	5.52	7.79	20.40
2016/10/31	MF	DS1	06:36	B	7.9	63.5	0.27	27.38	27.65	89.97	6.1	11.94	7.8	57.50
2016/10/31	MF	DS1	06:37	M	5	299.2	0.71	27.37	27.55	89.94	6.1	10.72	7.8	8.90
2016/10/31	MF	DS1	06:37	T	1.3	351.3	0.79	27.29	27.02	89.48	6.1	5.06	7.78	20.40
2016/10/31	MF	DS2	06:42	B	7.9	336.8	0.07	27.34	27.56	90.66	6.15	19.63	7.81	22.50
2016/10/31	MF	DS2	06:43	M	5	117.1	0.19	27.34	27.53	90.3	6.13	14.32	7.81	16.10
2016/10/31	MF	DS2	06:43	T	1.3	320.1	0.77	27.3	26.89	89.2	6.08	4.8	7.78	11.40
2016/10/31	MF	DS2	06:45	B	7.8	297.5	0.55	27.34	27.56	90.17	6.12	22.2	7.81	22.80
2016/10/31	MF	DS2	06:45	M	5.3	354.9	0.56	27.34	27.57	90.18	6.12	16.18	7.81	16.00
2016/10/31	MF	DS2	06:46	T	1.2	300.8	0.53	27.34	27	89.21	6.08	5.16	7.78	11.20
2016/10/31	MF	DS3	06:51	B	7.8	307.7	1.39	27.31	27.6	91.27	6.2	12.97	7.81	36.00
2016/10/31	MF	DS3	06:51	M	5.1	16.8	0.43	27.37	27.2	89.63	6.09	6.81	7.79	16.20
2016/10/31	MF	DS3	06:52	T	1.1	340.4	0.54	27.26	26.85	89.07	6.08	4.34	7.78	16.40
2016/10/31	MF	DS3	06:53	B	8	330.3	0.93	27.33	27.62	90.23	6.12	15.49	7.81	34.90
2016/10/31	MF	DS3	06:53	M	5	46.7	0.58	27.37	27.22	89.37	6.08	6.98	7.79	16.10
2016/10/31	MF	DS3	06:54	T	1.1	298.1	0.29	27.3	27.05	89.3	6.08	5.15	7.78	16.00
2016/10/31	MF	DS4	07:01	B	7.7	52.6	0.35	27.34	27.23	88.88	6.04	27.41	7.78	26.30
2016/10/31	MF	DS4	07:02	M	5.1	320.4	0.28	27.35	26.79	87.82	5.99	6.01	7.76	21.60
2016/10/31	MF	DS4	07:02	T	1.2	349.6	0.04	27.14	26.1	86.97	5.97	4.47	7.73	9.70
2016/10/31	MF	DS4	07:03	B	8.1	272.4	0.31	27.34	27.3	89.01	6.05	36.89	7.78	27.20
2016/10/31	MF	DS4	07:03	M	5.1	222.4	0.15	27.32	26.76	88.4	6.03	4.96	7.76	21.60
2016/10/31	MF	DS4	07:04	T	1.2	188.5	0.27	27.12	26.24	87.48	6	4.34	7.74	9.50
2016/10/31	MF	DS5	07:09	B	7.5	287.7	0.18	27.38	26.91	87.44	5.95	8.07	7.75	22.10
2016/10/31	MF	DS5	07:09	M	5.1	280.4	0.7	27.37	26.73	86.61	5.9	6.49	7.76	13.70
2016/10/31	MF	DS5	07:10	T	1.1	359.3	0.51	27.12	25.61	85.94	5.92	4.61	7.71	10.80
2016/10/31	MF	DS5	07:11	B	7.8	351.3	0.59	27.39	26.95	86.21	5.87	9.58	7.75	21.40
2016/10/31	MF	DS5	07:11	M	5.1	249.5	0.49	27.38	26.84	86.17	5.87	7.43	7.75	14.60
2016/10/31	MF	DS5	07:12	T	1.2	12.3	0.8	27.18	25.78	85.93	5.91	4.82	7.72	10.50
2016/10/31	MF	MW1	08:46	B	18.6	203.1	0.41	27.26	30.84	89.9	6	14.63	7.83	31.50
2016/10/31	MF	MW1	08:46	M	10.8	75.9	0.56	27.27	30.65	89.3	5.97	11.83	7.82	17.20
2016/10/31	ME	MW1	11:59	M	11	53.6	0.08	27.28	30	89.07	5.97	5.73	7.87	11.50
2016/10/31	ME	MW1	12:00	T	1.1	71.5	1.15	27.33	29.82	89.61	6.01	5.13	7.87	10.60
2016/10/31	ME	DS	13:32	M	14.1	141.5	0.32	27.14	28.71	97.19	6.58	24.05	7.95	0.00
2016/10/31	ME	DS	13:33	M	13.9	149.1	0.62	27.14	28.71	97.27	6.58	26.78	7.95	0.00
2016/10/31	ME	US	13:38	M	12.4	110	0.35	27.15	28.48	98.58	6.68	21.68	7.92	0.00
2016/10/31	ME	US	13:39	M	12.5	30	1.35	27.16	28.41	98.48	6.67	15.66	7.91	0.00
2016/10/31	ME	US2	13:47	B	7.9	114.8	0.78	27.09	28.71	98.63	6.68	19.62	7.92	#REF!
2016/10/31	ME	US2	13:47	M	5	117.1	0.44	27.2	27.44	94.16	6.41	8.54	7.87	#REF!
2016/10/31	ME	US2	13:48	T	0.9	90.2	0.31	27.35	26.36	92.21	6.3	6	7.82	#REF!
2016/10/31	ME	US2	13:52	B	7.6	111.2	0.47	27.12	28.39	96.06	6.52	19.64	7.88	#REF!
2016/10/31	ME	US2	13:52	M	5.2	129.5	0.75	27.17	27.64	94.36	6.42	11.2	7.87	#REF!
2016/10/31	ME	US2	13:52	T	0.9	130.4	0.45	27.3	26.51	91.81	6.27	6.11	7.82	#REF!
2016/10/31	ME	US1	13:57	B	7.8	140.2	0.27	27.12	28.49	97.7	6.62	20	7.9	#REF!
2016/10/31	ME	US1	13:58	M	4.8	165.7	0.63	27.22	27.3	93.77	6.39	7.54	7.85	#REF!

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2016/10/31	ME	US1	13:58	T	0.7	178.2	0.38	27.36	26.66	92.09	6.28	6.48	7.81	#REF!
2016/10/31	ME	US1	13:59	B	7.5	103.6	0.78	27.15	28.12	96.62	6.56	17.52	7.89	#REF!
2016/10/31	ME	US1	13:59	M	5.1	104	0.94	27.19	27.59	94.4	6.42	8.94	7.86	#REF!
2016/10/31	ME	US1	14:00	T	1.1	138.5	1.11	27.35	26.7	91.97	6.27	6.51	7.82	#REF!
2016/10/31	ME	DS1	14:05	B	7.6	90.3	0.42	27.13	28.47	98.45	6.67	40.57	7.9	#REF!
2016/10/31	ME	DS1	14:06	M	4.7	82.2	1.04	27.21	27.66	96.66	6.57	12.87	7.88	#REF!
2016/10/31	ME	DS1	14:07	T	1	208.1	0.46	27.42	26.63	93.8	6.39	5.9	7.82	#REF!
2016/10/31	ME	DS1	14:09	B	7.7	81.9	0.06	27.14	28.46	98.33	6.66	38.27	7.9	#REF!
2016/10/31	ME	DS1	14:10	M	5	1.7	0.34	27.2	27.96	97.89	6.65	30.03	7.89	#REF!
2016/10/31	ME	DS1	14:10	T	1.5	100.5	0.66	27.33	26.93	93.59	6.38	6.4	7.83	#REF!
2016/10/31	ME	DS2	14:16	B	6.7	110	0.74	27.25	27.81	96.48	6.55	19.97	7.86	#REF!
2016/10/31	ME	DS2	14:16	M	4.5	90.3	0.9	27.3	27.38	95.55	6.5	10.94	7.85	#REF!
2016/10/31	ME	DS2	14:17	T	1.4	204	0.72	27.38	26.77	94.55	6.44	6.9	7.83	#REF!
2016/10/31	ME	DS2	14:20	B	6.7	73.8	0.63	27.25	27.61	96.48	6.56	15.71	7.84	#REF!
2016/10/31	ME	DS2	14:20	M	4.5	75.7	0.57	27.29	27.31	95.13	6.47	11.71	7.84	#REF!
2016/10/31	ME	DS2	14:21	T	1.4	92.7	0.49	27.36	26.84	93.88	6.4	7.11	7.81	#REF!
2016/10/31	ME	DS3	14:25	B	6.8	106.6	1.1	27.17	28.23	97.68	6.63	29.35	7.88	#REF!
2016/10/31	ME	DS3	14:26	M	4.4	148.3	0.7	27.32	27.28	95.67	6.51	12.67	7.84	#REF!
2016/10/31	ME	DS3	14:27	T	1.1	108.9	0.61	27.4	26.77	94.48	6.44	6.08	7.81	#REF!
2016/10/31	ME	DS3	14:27	B	6.7	103.2	0.56	27.16	28.27	97.42	6.61	32.11	7.88	#REF!
2016/10/31	ME	DS3	14:28	M	4.6	125.6	0.56	27.32	27.27	95.77	6.51	12.47	7.84	#REF!
2016/10/31	ME	DS3	14:28	T	1.4	158.3	0.96	27.37	26.9	94.68	6.45	7.35	7.82	#REF!
2016/10/31	ME	DS4	14:37	B	6.7	342.8	0.42	27.27	27.66	97.06	6.59	17.42	7.86	#REF!
2016/10/31	ME	DS4	14:37	M	4.6	93	0.8	27.32	27.31	95.72	6.51	11.01	7.84	#REF!
2016/10/31	ME	DS4	14:38	T	1	108.2	1.45	27.42	26.76	94.41	6.43	5.47	7.8	#REF!
2016/10/31	ME	DS4	14:39	B	6.8	113.2	0.52	27.24	27.89	97.17	6.6	20.72	7.85	#REF!